



**EUROPEAN COMMISSION**  
ENTERPRISE AND INDUSTRY DIRECTORATE-GENERAL

Chemicals, metals, mechanical, electrical and construction industries; Raw materials  
**Construction, Pressure Equipment, Metrology**

Brussels, 1<sup>st</sup> September 2010  
**M/118 rev.1 EN**

## **ADDENDUM TO:**

MANDATE TO CEN/CENELEC

CONCERNING THE EXECUTION OF STANDARDISATION WORK

FOR HARMONISED STANDARDS ON

<p><b>M118 WASTE WATER ENGINEERING PRODUCTS</b></p>
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- The existing mandate **M118 WASTE WATER ENGINEERING PRODUCTS** does not include performance characteristic “reaction to fire” for any product
- A request has come from the German delegation to include reaction to fire as a performance characteristic for all products in this mandate, as Germany has Regulations related to reaction to fire for these products.
- This was discussed at the Preparatory Group meeting 23-24<sup>th</sup> October and no objections were raised.
- The corresponding Commission Decision 97/464/EC will be amended accordingly, i.e. the standard reaction to fire table will be added for each product family.

**Annex A highlights the changes:**

## ANNEX A

In the tables in Annex 2 of Mandate M118, add “reaction to fire” as a performance characteristic for essential requirement 2, for **all** product families.

These product families are:

### **I)-WASTE WATER ENGINEERING PRODUCTS INSIDE BUILDINGS**

**A)-Back-flow devices : air admittance valve ventilating pipework inside buildings**

**B)-Kits and elements for waste water pumping station and effluent lifting plants inside buildings**

### **II)-WASTE WATER ENGINEERING PRODUCTS OUTSIDE BUILDINGS**

**A)- Kits and elements for waste water treatment plants and on-site treatment equipment for rain water, faecal and organic effluents  
- Septic tanks**

**B)- Prefabricated drainage channel :  
- for waste water from buildings and civil engineering works including roads**

**C)-Manholes and inspection chambers :  
to be used on carriageways, parking areas, hard shoulders and buildings**

**D)- Covers, step irons, ladders and handrail for manholes and inspection chambers, gully tops :  
to be used on carriageways, parking areas, hard shoulders and buildings**

**E)-Separators**

The existing comprehensive table of characteristics is *therefore* to be replaced by:

**COMPREHENSIVE TABLE OF CHARACTERISTICS  
WASTE WATER ENGINEERING PRODUCTS**

ER	Performance characteristics	WWEP inside		WWEP outside					durability
		A) back-flow..	B) kits..	A) kits treatment.	B) chanel	C) manholes.	D) tops	E) separators	
1									Y (against corrosion, chemicals, frost...)  5.
2	Reaction to fire	Y	Y	Y	Y	Y	Y	Y	
3	-watertightness	Y	Y	Y	Y	Y			
	-airtightness (non-release of foul air)	Y	Y					Y	
	--effectiveness	Y							
	-effectiveness of treatment			Y					
	-treatment capacity			Y					
	-liquid tightness							Y	
1. 4	2. -OPENING SIZE					Y			
	-load bearing capacity				Y		Y	Y	
	-heat resistance	Y							
	-mechanical resistance	Y	Y			Y			
	-deflection under load				Y				
	3. -MAXIMUM LOAD DEFORMATION(FOR FLEXIBLE BURRIED INSTALLATION)				Y				
	4. -CRUSHING RESISTANCE (FOR RIGID BURRIED INSTALLATION)				Y				
	-skid resistance						Y		
	-child safety						Y		
5	-noise level		Y						
6									

**WASTE WATER ENGINEERING PRODUCTS INSIDE BUILDINGS (1/2)**

Under section 1 add:

Product(s)	Intended use(s)	Level(s) or class(es) ( <i>Reaction to fire</i> )	Attestation of conformity system(s)
<b>Back-flow devices : air admittance valve ventilating pipework</b>	<b>for uses subject to regulations on reaction to fire</b>	A1*, A2*, B*, C*	<b>1</b>
		-----	-----
		A1**, A2**, B**, C**, D, E	<b>3</b>
		-----	-----
		(A1 to E)***, F	<b>4</b>
<p>System 1: See CPD Annex III.2.(i), without audit-testing of samples                      System 3: See CPD Annex III.2.(ii), Second possibility                      System 4: See CPD Annex III. 2.(ii), Third possibility                      * Products/ materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material)                      ** Products/ materials not covered by footnote (*).                      *** Products/ materials that do not require to be tested for reaction to fire (e.g. Products/materials of class A1 according to the Decision 96/603/EC, as amended).</p>			

**WASTE WATER ENGINEERING PRODUCTS INSIDE BUILDINGS (2/2)**

Under section 1 add:

Product(s)	Intended use(s)	Level(s) or class(es) ( <i>Reaction to fire</i> )	Attestation of conformity system(s)
<b>Kits for waste water pumping station and effluent lifting plants</b>	<b>for uses subject to regulations on reaction to fire</b>	A1*, A2*, B*, C*	<b>1</b>
		-----	-----
		A1**, A2**, B**, C**, D, E	<b>3</b>
		-----	-----
		(A1 to E)***, F	<b>4</b>
<p>System 1: See CPD Annex III.2.(i), without audit-testing of samples                      System 3: See CPD Annex III.2.(ii), Second possibility                      System 4: See CPD Annex III. 2.(ii), Third possibility                      * Products/ materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material)                      ** Products/ materials not covered by footnote (*).                      *** Products/ materials that do not require to be tested for reaction to fire (e.g. Products/materials of class A1 according to the Decision 96/603/EC, as amended).</p>			

## WASTE WATER ENGINEERING PRODUCTS OUTSIDE BUILDINGS (1/3)

Under section 1 add:

Product(s)	Intended use(s)	Level(s) or class(es) <i>(Reaction to fire)</i>	Attestation of conformity system(s)
<b>Kits and elements for waste water treatment plants and on-site treatment equipment - Septic tanks</b>	<b>for uses subject to regulations on reaction to fire</b>	A1*, A2*, B*, C*	<b>1</b>
		----- A1**, A2**, B**, C**, D, E	<b>3</b>
		----- (A1 to E)***, F	<b>4</b>
<p>System 1: See CPD Annex III.2.(i), without audit-testing of samples            System 3: See CPD Annex III.2.(ii), Second possibility            System 4: See CPD Annex III. 2.(ii), Third possibility            * Products/ materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material)            ** Products/ materials not covered by footnote (*).            *** Products/ materials that do not require to be tested for reaction to fire (e.g. Products/materials of class A1 according to the Decision 96/603/EC, as amended).</p>			

## WASTE WATER ENGINEERING PRODUCTS OUTSIDE BUILDINGS (2/3)

Under section 1 add:

Product(s)	Intended use(s)	Level(s) or class(es) <i>(Reaction to fire)</i>	Attestation of conformity system(s)
<b>Prefabricated drainage channel</b>	<b>for uses subject to regulations on reaction to fire</b>	A1*, A2*, B*, C*	<b>1</b>
		----- A1**, A2**, B**, C**, D, E	<b>3</b>
		----- (A1 to E)***, F	<b>4</b>
<p>System 1: See CPD Annex III.2.(i), without audit-testing of samples            System 3: See CPD Annex III.2.(ii), Second possibility            System 4: See CPD Annex III. 2.(ii), Third possibility            * Products/ materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material)            ** Products/ materials not covered by footnote (*).            *** Products/ materials that do not require to be tested for reaction to fire (e.g. Products/materials of class A1 according to the Decision 96/603/EC, as amended).</p>			

## WASTE WATER ENGINEERING PRODUCTS OUTSIDE BUILDINGS (3/3)

Under section 1 add:

Product(s)	Intended use(s)	Level(s) or class(es) <i>(Reaction to fire)</i>	Attestation of conformity system(s)
<p><b>Manholes and inspection chambers.</b></p> <p><b>Covers, step irons, ladders and handrail for manholes and inspection chambers, gully tops.</b></p> <p><b>Separators</b></p>	<p><b>for uses subject to regulations on reaction to fire</b></p>	<p>A1*, A2*, B*, C*</p> <p>-----</p> <p>A1**, A2**, B**, C**, D, E</p> <p>-----</p> <p>(A1 to E)***, F</p>	<p><b>1</b></p> <p>-----</p> <p><b>3</b></p> <p>-----</p> <p><b>4</b></p>
<p>System 1: See CPD Annex III.2.(i), without audit-testing of samples            System 3: See CPD Annex III.2.(ii), Second possibility            System 4: See CPD Annex III. 2.(ii), Third possibility            * Products/ materials for which a clearly identifiable stage in the production process results in an improvement of the reaction to fire classification (e.g. an addition of fire retardants or a limiting of organic material)            ** Products/ materials not covered by footnote (*).            *** Products/ materials that do not require to be tested for reaction to fire (e.g. Products/materials of class A1 according to the Decision 96/603/EC, as amended).</p>			